

**NOVEL G-PROTEIN COUPLED RECEPTORS AND USES THEREFOR****Abstract of the Disclosure**

Novel G-protein coupled receptor molecules, designated LGR6 polypeptides, 5 proteins, and nucleic acid molecules, are disclosed. In addition to isolated, LGR6 proteins, the invention further provides isolated LGR6 fusion proteins, antigenic peptides and anti-LGR6 antibodies. The invention also provides LGR6 nucleic acid molecules, recombinant expression vectors containing a nucleic acid molecule of the invention, host cells into which the expression vectors have been introduced and non-10 human transgenic animals in which an LGR6 gene has been introduced or disrupted. Diagnostic, screening and therapeutic methods utilizing compositions of the invention are also provided.

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